ECS Configuration Change Request

1. Originator	2. Log Date:	3. CCR #:	4. Rev:	5. Tel:	6. Rm #:	7. Dept.
Evan Winston	12 Oct 00	00-1009	—	301.925.0348	2013	DEV/CO

8. CCR Title: Test Executable 5B.06_ESDT.07 for GDAAC, PVC, and VATC. MODIS AQUA ESDTs

9. Originator Signature/Date	10. Class	11. Type:	12. Need Date:
10/11/00	II	CCR	12October2000

13. Office Manager Signature/Date	14. Category of Change:	15. Priority: (If "Emergency" fill in Block 28).
for 10/11/00	Other	Emergency

16. Documentation/Drawings Impacted:	17. Schedule Impact:	18. CI(s) Affected:
N/A	N/A	DSS_ESDT

19. Release Affected by this Change:	20. Date due to Customer:	21. Estimated Cost:
5B		None - Under 100K

22. Source Reference: ☒NCR (attach)** ☐Action Item ☐Tech Ref. ☐GSFC ☐Other:
NCR: ECSed28426,ECSed28439ECSed28360ECSed28359ECSed28231 ** These NCRs are partially completed by these fixes.

23. Problem: (use additional Sheets if necessary)
Provide revisions to MODIS AQUA ESDTs for GSFC.
Required before going public

ESD 72 103-111.

24. Proposed Solution: (use additional sheets if necessary)
Provide the ESDT changes for GDAAC. 11 ESDTs are provided.
Contained in ESDT TAR file #21.

25. Alternate Solution: (use additional sheets if necessary)
Wait for 5B.07 release

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)
Problems with Public Release or delays in INGEST of data.

27. Justification for Emergency (If Block 15 is "Emergency"):
ESDTs are needed at the GDAAC for immediate testing before public release of data Oct 13.

28. Site(s) Affected: ☐EDF ☒PVC ☒VATC ☐EDC ☒GSFC ☐LaRC ☐NSIDC ☒SMC ☐AK ☐JPL ☐EOC ☐IDG Test Cell ☐Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. EDF/SCDV CCB Chair (Sign/Date):	Disposition: (Approved) App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
33. M&O CCB Chair (Sign/Date): 10/12/00	Disposition: (Approved) App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
34. ECS CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS

ORIGINAL

ADDITIONAL SHEET

CCR #: 00-1009 **Rev:** – **Originator:** Evan Winston

Telephone: 301.925.0348 **Office:** DEV/CO

Title of Change: Test Executable 5B.06_ESDT.07 for GDAAC, PVC, and VATC. MODIS AQUA ESDTs.

This Test Executable series [5B.05/6_ESDT.xx) is being delivered as a series of TAR files delivering related ESDTs. Each DAAC will need some of these ESDTs but not all. Review each TAR file for your sites needs and take only the ESDTs that will be required for your needs. The TE will be labled 5B.05_ESDTxx if it is from the 5B.06 baseline and 5B.06_ESDTxx if it is froom the 5B.07 baseline.

Note: Each TAR file listing shows the NCRs addressed and at least the first line description of the NCR. (see below)

This TE can be loaded on top of 5B.03, 5B.04 , and 5B.06 installations.

The previous TEs for ESDTs [5B.05/6_ESDT.01 and .02 and .03 and .04 and .05 and .06] are still valid. Any ESDTs required by a DAAC should be taken from ESDT.01 first and then take any ESTDs needed from 5B.05/6_ESDT.02 and so on. Updates and installs should follow this same pattern.

CM:
Please Build the SUN TAR File (#21) for the merged ESDT files from current 5B baseline (5B.07) as listed below and provide as Test Executable 5B.06_ESDT.07. Provide the Tar files to the SMC.

TAR file # 21 for: GDAAC Covers: ECSed28439ECSed28360ECSed28359ECSed28231
Files:
/ecs/formal/ESDT/Mo1/DsESDTMoMYD021KM.001.desc
/ecs/formal/ESDT/Mo1/DsESDTMoMYD021QA.001.desc
/ecs/formal/ESDT/Mo1/DsESDTMoMYD02HKM.001.desc
/ecs/formal/ESDT/Mo1/DsESDTMoMYD02HQA.001.desc
/ecs/formal/ESDT/Mo1/DsESDTMoMYD02OBC.001.desc
/ecs/formal/ESDT/Mo1/DsESDTMoMYD02QKM.001.desc
/ecs/formal/ESDT/Mo1/DsESDTMoMYD02QQA.001.desc
/ecs/formal/ESDT/Mo1/DsESDTMoMYD07_L2.001.desc
/ecs/formal/ESDT/Mo1/DsESDTMoMYD07_QC.001.desc
/ecs/formal/ESDT/Mo1/DsESDTMoMYD35_QC.001.desc
/ecs/formal/ESDT/Mo1/DsESDTMoMYDVOLC.001.desc

SMC: provide the noted TAR file[s] to GDAACs, PVC and VATC.

DAAC Install Instructions: GDAAC

1. Identify the proper Test Executable files
   Get Files listed above from SMC distribution;
2. UnTAR the files to a staging area.
3. Use the 'cp' from the command line to copy the ESDT files, storing these files inaccordance with local DAAC procedures (dir. where ESDT files are held usually: lib/ess), store in mode by mode, using the same ownerships and permission levels as existing ESDT files..
4. Then install the ESDTs as needed:
To install/update the ESDTs use the Science Data Server GUI.

5. Remember that for an initial install of an ESDT (NOT FOR UPDATES), an insert for each ESDT should be done through the Stmgt GUI. It is NOT recommended that these entries be made via an isql insert.!!!!One ESDT per GUI entry

DsESDTMoMYD021KM.001.desc:

```
/*****************************************************************/
/*ESD 72-98          2000/10/06          ECSed28439    */
/* Changed LongName from "MODIS/Aqua Calibrated Radiances Daily */
/* L1B Swath 1km"                                      */
/* to "MODIS/Aqua Calibrated Radiances 5-Min L1B Swath 1km"    */
/* Changed CollectionDescription to                    */
/*   "This Level 1B collection contains calibrated and       */
/*   geolocated radiances at-aperture for all 36 MODIS       */
/*   spectral bands at 1km resolution."                */
/*from "This Level 1B data collection contains calibrated and  */
/*   geolocated radiances at-aperature for 36 bands generated  */
/*   from MODIS Level 1A sensor counts (MOD 01). This product  */
/*    has 1-km resolution."                              */
/* Added 4 SensorContainers containing SensorShortNames       */
/*   of "VNIR", "SWIR", "MIR", and "TIR"               */
/* Changed the NumberofSensors to 4                    */
/* Changed ECSVariableKeyword value from "Infrared Imagery"    */
/*    to "Infrared Flux".                              */
/* Added 4 AssociatedPlatformInstrumentSensorContainers       */
/*   containing AssociatedSensorShortNames of "VNIR", "SWIR",  */
/*   "MIR", and "TIR"                                  */
/* Added LongName to ARCHIVED metadata                 */
/* Changed DESCRrevision to "1.2"                      */
/*****************************************************************/

DsESDTMoMYD021QA.001.desc:
/*****************************************************************/
/*ESD 72-98          2000/10/06          ECSed28439    */
/* Changed LongName from "MODIS L1B 1 km QA Summary"          */
/* to "MODIS/Aqua QA Summary of Calibrated Radiances 5-Min L1B  */
/*    1km"                                             */
/* Changed CollectionDescription from                  */
/*   "Each granule of MOD021QA (the L1B 1 km QA Summary)       */
/*   contains a copy of the metadata from the corresponding    */
/*   MOD021KM (L1B 1 km Calibrated Radiances) granule."        */
/*to "Each text file in this Level 1B collection              */
/*   contains a copy of the metadata from the corresponding    */
/*   L1B 1km Calibrated Radiances granule."            */
/* Added LongName to ARCHIVED metadata                 */
/* Changed DESCRrevision to "1.2"                      */
/*****************************************************************/

DsESDTMoMYD02HKM.001.desc:
/*****************************************************************/
/*ESD 72-98          2000/10/06          ECSed28439    */
/* Changed LongName from "MODIS/Aqua Calibrated Radiances Daily */
/* L1B Swath 500m"                                     */
/* to "MODIS/Aqua Calibrated Radiances 5-Min L1B Swath 500m"   */
/* Changed CollectionDescription from                  */
/*   "This Level 1B data collection contains calibrated and    */
/*   geolocated radiances at-aperature for 36 bands generated  */
/*   from MODIS Level 1A sensor counts (MOD 01). This product  */
/*   has 500-m resolution."                            */
/*to "This Level 1B collection contains calibrated and        */
/*   geolocated radiances at-aperture for MODIS spectral       */
/*   bands 1 through 7 at 500m resolution."            */
/* Added 2 SensorContainers containing SensorShortNames       */
/*   of "VNIR" and "SWIR"                              */
/* Changed the NumberofSensors to 2                    */
/* Changed StorageMedium from "Online" to ("Magnetic Disks").  */
/* Added 2 AssociatedPlatformInstrumentSensorContainers       */
/*   containing AssociatedSensorShortNames of "VNIR" and "SWIR" */
/* Added LongName to ARCHIVED metadata                 */
/* Changed DESCRrevision to "1.2"                      */
/*****************************************************************/
```

DsESDTMoMYD02HQA.001.desc:

```
/*****************************************************************/
/*ESD 72-98            2000/10/06          ECSed28439    */
/* Changed LongName from "MODIS L1B 500m QA Summary"          */
/* to "MODIS/Aqua QA Summary of Calibrated Radiances 5-Min L1B  */
/*    500m"                                                    */
/* Changed CollectionDescription from                         */
/*  "Each granule of MOD02HQA (the L1B 500m QA Summary)       */
/*  contains a copy of the metadata from the corresponding    */
/*  MOD02HKM (L1B 500m Calibrated Radiances) granule."        */
/*to "Each text file in this Level 1B collection              */
/*  contains a copy of the metadata from the corresponding    */
/*  L1B 500m Calibrated Radiances granule.                    */
/* Added LongName to ARCHIVED metadata                        */
/* Changed DESCRrevision to "1.2"                             */
/*****************************************************************/
```

DsESDTMoMYD02HKM.001.desc:

```
/*****************************************************************/
/*ESD 72-98            2000/10/06          ECSed28439    */
/* Changed LongName from "MODIS/Aqua Calibrated Radiances Daily */
/* L1B Swath 500m"                                            */
/* to "MODIS/Aqua Calibrated Radiances 5-Min L1B Swath 500m"   */
/* Changed CollectionDescription from                         */
/*  "This Level 1B data collection contains calibrated and    */
/*  geolocated radiances at-aperature for 36 bands generated  */
/*  from MODIS Level 1A sensor counts (MOD 01). This product  */
/*  has 500-m resolution."                                    */
/*to "This Level 1B collection contains calibrated and        */
/*  geolocated radiances at-aperture for MODIS spectral       */
/*  bands 1 through 7 at 500m resolution."                    */
/* Added 2 SensorContainers containing SensorShortNames       */
/*  of "VNIR" and "SWIR"                                      */
/* Changed the NumberofSensors to 2                           */
/* Changed StorageMedium from "Online" to ("Magnetic Disks").  */
/* Added 2 AssociatedPlatformInstrumentSensorContainers       */
/*  containing AssociatedSensorShortNames of "VNIR" and "SWIR" */
/* Added LongName to ARCHIVED metadata                        */
/* Changed DESCRrevision to "1.2"                             */
/*****************************************************************/
```

DsESDTMoMYD02HQA.001.desc:

```
/*****************************************************************/
/*ESD 72-98            2000/10/06          ECSed28439    */
/* Changed LongName from "MODIS L1B 500m QA Summary"          */
/* to "MODIS/Aqua QA Summary of Calibrated Radiances 5-Min L1B  */
/*    500m"                                                    */
/* Changed CollectionDescription from                         */
/*  "Each granule of MOD02HQA (the L1B 500m QA Summary)       */
/*  contains a copy of the metadata from the corresponding    */
/*  MOD02HKM (L1B 500m Calibrated Radiances) granule."        */
/*to "Each text file in this Level 1B collection              */
/*  contains a copy of the metadata from the corresponding    */
/*  L1B 500m Calibrated Radiances granule.                    */
/* Added LongName to ARCHIVED metadata                        */
/* Changed DESCRrevision to "1.2"                             */
/*****************************************************************/
```

DsESDTMoMYD02OBC.001.desc:

```
/*****************************************************************/
/*ESD 72-98            2000/10/06          ECSed28439    */
/* Changed LongName from "MODIS/Aqua On-Board Calibrator and   */
/* Engineering Data Daily L1B"                                */
/* to "MODIS/Aqua On-Board Calibrator and Engineering Data     */
```

```
/*   5-Min L1B"                                          */
/* Changed CollectionDescription from                    */
/*   "MODIS Level 1B Onboard Calibrator/Engineering Data"    */
/*to "This Level 1B collection contains MODIS On-Board      */
/*   Calibrator and Engineering Data.                     */
/* Added 4 SensorContainers containing SensorShortNames      */
/*   of "VNIR", "SWIR", "MIR", and "TIR"                  */
/* Changed the NumberofSensors to 4                      */
/* Added 4 AssociatedPlatformInstrumentSensorContainers      */
/*   containing AssociatedSensorShortNames of "VNIR", "SWIR",  */
/*   "MIR", and "TIR"                                    */
/* Added LongName to ARCHIVED metadata                   */
/* Changed DESCRrevision to "1.2"                        */
/*****************************************************************/

DsESDTMoMYD02QKM.001.desc:
/*****************************************************************/
/*ESD 72-98          2000/10/06          ECSed28439    */
/* Changed LongName from "MODIS/Aqua Calibrated Radiances Daily */
/*  L1B Swath 250m"                                      */
/* to "MODIS/Aqua Calibrated Radiances 5-Min L1B Swath 250m"   */
/* Changed CollectionDescription from                    */
/*   "This Level 1B data collection contains calibrated and    */
/*   geolocated radiances at-aperature for 36 bands generated  */
/*   from MODIS Level 1A sensor counts (MOD 01). This product  */
/*   has 250-m resolution."                               */
/*to "This Level 1B collection contains calibrated and      */
/*   geolocated radiances at-aperture for MODIS spectral      */
/*   bands 1 and 2 at 250m resolution.                    */
/* Added 1 SensorContainer containing SensorShortName        */
/*   of "VNIR"                                            */
/* Changed the NumberofSensors to 1                      */
/* Removed DisciplineTopicParametersContainer with the       */
/* ECSVariableKeyword value of "Infrared Flux" .            */
/* Added 1 AssociatedPlatformInstrumentSensorContainer       */
/*   containing AssociatedSensorShortName of "VNIR"          */
/* Added LongName to ARCHIVED metadata                   */
/* Changed DESCRrevision to "1.2"                        */
/*****************************************************************/


DsESDTMoMYD02QQA.001.desc:
/*****************************************************************/
/*ESD 72-98          2000/10/06          ECSed28439    */
/* Changed LongName from "MODIS L1B 250m QA Summary"         */
/* to "MODIS/Aqua QA Summary of Calibrated Radiances 5-Min L1B  */
/*   250m"                                                */
/* Changed CollectionDescription from                    */
/*   "Each granule of MOD02QQA (the L1B 250m QA Summary)      */
/*   contains a copy of the metadata from the corresponding    */
/*   MOD02QKM (L1B 250m Calibrated Radiances) granule."       */
/*to "Each text file in this Level 1B collection            */
/*   contains a copy of the metadata from the corresponding    */
/*   L1B 250m Calibrated Radiances granule."                  */
/* Added LongName to ARCHIVED metadata                   */
/* Changed DESCRrevision to "1.2"                        */
/*****************************************************************/

 DsESDTMoMYDVOLC.001.desc:

Changed LongName from "MODIS/Aqua Calibrated Radiances Daily
 L1B Swath 1km" to "MODIS/Aqua Calibrated Radiances 5-Min L1B Swath 1km". Changed CollectionDescription to "This Level
1B collection contains calibrated and geolocated radiances at-aperture for all 36 MODIS spectral bands at 1km resolution." from
"This Level 1B data collection contains calibrated and geolocated radiances at-aperature for 36 bands generated from MODIS
Level 1A sensor counts (MOD 01). This product has 1-km resolution." Added 4 SensorContainers containing SensorShortNames
```

of "VNIR", "SWIR", "MIR", and "TIR". Changed the NumberofSensors to 4 Changed ECSVariableKeyword value from "Infrared Imagery" to "Infrared Flux". Added 4 AssociatedPlatformInstrumentSensorContainers containing AssociatedSensorShortNames of "VNIR", "SWIR","MIR", and "TIR". Added LongName to ARCHIVED metadata.

CM01AJA00